

WHAT IS CLAIMED IS:

1. A golf club head, comprising:

5 a housing having a front portion on which a face is disposed, a sole portion, a rear portion, a crown portion, a toe portion, a heel portion, a neck, and a chamber inside; and

a reinforced elastic supporting member having an end bonded to the sole portion or the rear portion of the housing, the other end bonded to the front portion or the crown portion of the housing, and a middle portion suspended in the chamber of
10 the housing.

2. The golf club head as defined in claim 1, wherein the end of the supporting member is bonded to the crown portion of the housing adjacent to the face and the other end of the supporting member is bonded to the sole portion of the
15 housing adjacent to the rear portion of the housing.

3. The golf club head as defined in claim 1, wherein the elastic reinforced supporting member is an elongated piece.

20 4. The golf club head as defined in claim 1, wherein the elastic reinforced supporting member has a hardness greater than HRC 35.

5. The golf club head as defined in claim 1, wherein the elastic reinforced supporting member has a shape of X.

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6. The golf club head as defined in claim 1, wherein the housing has an opening at the crown portion thereof, a crown plate bonded to the crown portion of the housing to cover the opening, and two bonding portions; wherein one of the bonding portions is disposed at a periphery of the opening adjacent to the face, and the other
5 one of the bonding portions is disposed at the sole portion of the housing adjacent to the rear portion of the housing; wherein the ends of the elastic reinforced supporting member are bonded to the bonding portions respectively.

7. The golf club head as defined in claim 6, wherein the elastic reinforced
10 supporting member is bonded to the bonding portions by welding.

8. The golf club head as defined in claim 6, wherein the elastic reinforced supporting member is made of metal.

15 9. The golf club head as defined in claim 1 comprising at least two said reinforced supporting members.

10. The golf club head as defined in claim 9, wherein said reinforced supporting members are parallel to each other and each of said reinforced supporting
20 members has the end bonded to the crown portion of the housing adjacent to the face and the other end bonded to the sole portion of the housing adjacent to the rear portion of the housing.

11. The golf club head as defined in claim 9, wherein each of the elastic
25 reinforced supporting members has a hardness greater than HRC 35.